



IN THE UNITED STATES  
PATENT AND TRADEMARK OFFICE

**DECLARATION AND POWER OF ATTORNEY**

As a below-named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am an original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled "SYNCHRONIZATION AND CHANNEL ESTIMATION WITH SUB-NYQUIST SAMPLING IN ULTRA-WIDEBAND COMMUNICATION SYSTEMS", the specification of which was filed on September 21, 2005 and has been accorded Application No. 10/550,141.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this Oath or Declaration.

I acknowledge the duty to disclose all information known to me which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56. I hereby claim foreign priority benefits under Title 35, United States Code, Section 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application(s) for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

None

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Title 18, United States Code, Section 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) with full power of substitution and revocation, to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith:

Peter A. Businger

(Reg. No. 27,862)

Please address all correspondence to: Peter A. Businger, Esq., 373 Park Avenue, Suite 205, Scotch Plains, NJ 07076-1145. Telephone calls should be made to Telephone No. 908-322-4835.

Full name of 1st joint inventor: Irena MARAVIĆ

Inventor's signature: *Irena Maravić* Date: 16.12.2005

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Full name of 2nd joint inventor: Martin VETTERLI

Inventor's signature: *M. Vetterli* Date: 19/12/05

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Legalization number 6'297.-

I Claude Paquier, notary public for the canton de Vaud, at Chavannes-près-Renens (Switzerland), hereby confirm that the signatures on the other side are those of :

Signer(s)	Identification's mode	Authenticity's proof
1) Mme Irena Maravic	Passport	By comparison and after confirmation
2) M. Martin Vetterli	Passport	By comparison and after confirmation

Chavannes-près-Renens, the tenth of Januar two thousand and six.



Claude Paquier, notary

